

Title (en)

Process control apparatus of electrophotographic apparatus.

Title (de)

Prozesssteuervorrichtung eines elektrophotographischen Gerätes.

Title (fr)

Dispositif de commande d'un appareil électrophotographique.

Publication

**EP 0606067 A2 19940713 (EN)**

Application

**EP 94100060 A 19940104**

Priority

JP 138493 A 19930107

Abstract (en)

A process control apparatus of electrophotographic apparatus has an optical sensor (16) for optically detecting the density of toner patches formed on a photoreceptor drum (1). The present apparatus is further provided with a control device for controlling lamps (4) for the copying process, chargers (7) and other elements. A toner patch is formed on the photoreceptor (1) so as to be located between every two toner images for a copying operation. The control device controls the lamps (4), chargers (7) and other elements in accordance with the result of the toner patches detected by the optical sensor (16) so as to stabilize the copying picture quality. With the arrangement, it is avoided that the job efficiency during the copying operation deteriorates, and the control data obtained from the toner patches is soon used for the toner image formation for the copying operation, thereby ensuring that the process control improves in accuracy. Additionally there is disclosed a control method based upon the change of temperature within or in the vicinity of the apparatus. Additionally there is disclosed a control method for controlling background developing.

IPC 1-7

**G03G 15/00**

IPC 8 full level

**G03G 15/00** (2006.01); **G03G 15/047** (2006.01)

CPC (source: EP US)

**G03G 15/047** (2013.01 - EP US); **G03G 15/5041** (2013.01 - EP US); **G03G 2215/00042** (2013.01 - EP US); **G03G 2215/00084** (2013.01 - EP US); **G03G 2215/0448** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0606067 A2 19940713**; **EP 0606067 A3 19940921**; **EP 0606067 B1 19981111**; DE 69414426 D1 19981217; DE 69414426 T2 19990610; DE 69432936 D1 20030814; DE 69432936 T2 20040513; EP 0858008 A2 19980812; EP 0858008 A3 20000426; EP 0858008 B1 20030709; US 5532794 A 19960702

DOCDB simple family (application)

**EP 94100060 A 19940104**; DE 69414426 T 19940104; DE 69432936 T 19940104; EP 98107036 A 19940104; US 17563693 A 19931230